## JUL 0 8 2014

Date Summary Prepared	July 8, 2014
Manufacturer/Distributor/Sponsor	Arthrex, Inc. 1370 Creekside Boulevard Naples, FL 34108-1945 USA
510(k) Contact	David L Rogers Regulatory Affairs Associate Arthrex, Inc. 1370 Creekside Boulevard Naples, FL 34108-1945 USA Telephone: 239/643.5553, ext. 71924 Fax: 239/598.5508 Email: david.rogers@Arthrex.com
Trade Name	Arthrex Fracture Plates and Screws
Common Name	Fastener, fixation, nondegradable soft tissue
Product Code -Classification Name	HRS – Plate, Fixation, Bone HWC – Screw, Fixation, Bone
CFR	21 CFR 888.3030: Single/multiple component metallic bone fixation appliances and accessories 21 CFR 888.3040: Smooth or threaded metallic bone fixation fastener
Predicate Device	K123241: Arthrex Fracture Plates K103705: Arthrex Low Profile Screws
Purpose of Submission	This special 510(k) premarket notification is submitted to obtain FDA clearance for the use of Gamma Irradiation and Ethylene Oxide sterilization for the Arthrex Fracture Plates and Screws, which were cleared as non-sterile devices through K123241.
	This special 510(k) premarket notification is also intended to address the addition of the Arthrex Distal Fibula Plates, the Arthrex Low Profile Screws (4.5, 5.5, & 6.0), the Arthrex 2.7 Low Profile Cortical Screws, and the Arthrex 6.7 Low Profile Screws as line extensions to K123241, which are similar in design, and identical in material and intended use.
Device Description	The Arthrex Fracture Plates and Screws are a family of titanium and stainless steel plates and screws. The plates

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Food and Drug Administration 10903 New Hampshire Avenue Document Control Center – WO66-G609 Silver Spring, MD 20993-0002

July 8, 2014

Arthrex, Inc. Mr. David L. Rogers Regulatory Affairs Associate 1370 Creekside Boulevard Naples, Florida 34108

Re: K141478

Trade/Device Name: Arthrex Fracture Plates and Screws

Regulation Number: 21 CFR 888.3030

Regulation Name: Single/multiple component metallic bone fixation appliances and

accessories

Regulatory Class: Class II Product Code: HRS, HWC Dated: June 12, 2014 Received: June 13, 2014

Dear Mr. Rogers:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you; however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 801); medical device reporting (reporting of medical

device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm.

Sincerely yours,

Lori A. Wiggins

for
Mark N. Melkerson
Director
Division of Orthopedic Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

## 2.5 INDIGATIONS FOR USE DEPARTMENT OF HEALTH AND HUMAN SERVICES Form Approved: OMB No. 0910-01 Food and Drug Administration Expiration Date: December 31, 201 Indications for Use See PRA Statement on last page. 510(k) Number (if known) K141478 Device Name Arthrex Fracture Plates and Screws Indications for Use (Describe) The Arthrex Fracture Plates are intended to be used for internal bone fixation for bone fractures, fusions, osteotomies, and non-unions in the ankle, foot, hand, wrist, clavicle, scapula, olecranon, humerus, radius, ulna, tibia, calcaneous, fibula. The Arthrex Low Profile Screws (2.0-2.4mm solid) are intended to be used as stand-alone bone screws, or in a plate screw system for internal bone fixation for bone fractures, fusions, osteotomies, and non-unions in the ankle, foot, hand, and wrist. When used with a plate, the screw may be used with the Arthrex Low Profile, Small Fragment Plates, and Distal Extremity Plates. The Arthrex Low Profile Screws (2.0-3.0mm cannulated) are intended to be used as stand-alone bone screws for internal bane fixation for bone fractures, fusions, osteotomies, and non-unions in the ankle, foat, hand, and wrist. The Arthrex Low Profile Screws (2.5mm and larger, solid) are intended to be used as stand-alone bone screws, or in a plate-screw system for internal bone fixation for bone fractures, fusions, asteotomies, and non-unions in the ankle, foot, hand, wrist, clavicle, scapula, olecranon, humerus, radius, ulna, tibla, calcaneous, femur, and fibula. When used with a plate, the screws may be used with the Arthrex Low Profile, Small Fragment Plates, Fracture Plates, distal Extremity Plates, Humeral Fracture Plates, and Osteotomy Plates. The Arthrex Low Profile Screws (3.5mm and larger, cannulated) are intended to be used as stand-alone bone screws for internal bone fixation for bone fractures, fusions, osteotomies, and non-unions in the ankle, foot, hand, wrist, clavicle, scapula, alecranon, humerus, radius, ulna, tibia, calcaneous, femur, and fibula. Type of Use (Select one or both, as applicable) ☐ Over-The-Counter Use (21 CFR 801 Subpart C) ☑ Prescription Use (Part 21 CFR 801 Subpart D) PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON A SEPARATE PAGE IF NEEDED. FOR FDA, USE ONLY Concurrence of Center for Devices and Radiological Health (CDRH) (Signature) - Elizabethib經Frank -S

Division of Orthopedic Devices